INTERNATIONAL SEARCH REPORT

International application No.

PCT/	'US02/	22052
------	--------	-------

	<u> </u>	 		
A. CLA: IPC(7)	SSIFICATION OF SUBJECT MATTER : G02B 6/38			
US CL	: 385/39, 59, 71			
	International Patent Classification (IPC) or to both	national classification and IPC		
B. FIEL	DS SEARCHED		·	
Minimum documentation searched (classification system followed by classification symbols) U.S.: 385/39, 59, 71				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet				
	UMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.	
A	US 5,671,311 A (STILLIE et al) 23 September 1997 (23.09.1997), column 5, lines 35-59.			
A,E	US 6,442,306 B1 (DAUTARTAS et al) 27 August 60.	1-39		
A,P	US 6,379,053 B1 (VAN DOORN) 30 April 2002 (3 column 4, line 13.	1-39		
Further	r documents are listed in the continuation of Box C.	See patent family annex.		
* S	pecial categories of cited documents:	"T" later document published after the inte date and not in conflict with the applic		
"A" document	defining the general state of the art which is not considered to be	principle or theory underlying the inve	.•	
-	uplication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be conside when the document is taken alone		
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the considered to involve an inventive step	when the document is	
"O" document	referring to an oral disclosure, use, exhibition or other means	combined with one or more other such being obvious to a person skilled in th		
	published prior to the international filing date but later than the ate claimed	"&" document member of the same patent	family	
Date of the actual completion of the international search Date of mailing of the international search repo				
24 September 2002 (24.09.2002)			<u></u>	
Name and mailing address of the ISA/US		Authorized officer		
Commissioner of Patents and Trademarks Box PCT		JERRY RAHLL	0 0	
Washington, D.C. 20231 Facsimile No. (703) 305-3230 T		Telephone No. (703) 308-0956	\mathcal{L} \mathcal{V} 1	
	A/210 (second sheet) (July 1998)	1 Frank 1	TRACOLOGA	
	a min (announce attent) (auth 1520)			